



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

August 8, 2013

Sent Via Email – majones@hendersoncountync.org

Mr. Marcus Jones
Henderson County
Director of Engineering
802 Stoney Mountain Road
Hendersonville, NC 28791

Re: *Soil and Surface Water Sampling Report*
Henderson County Transfer Station
Solid Waste Section Permit Number 45-04T
DIN 19475

Dear Mr. Jones:

The Solid Waste Section has completed a review of the *Soil and Surface Water Sampling Report* dated July 24, 2013 (DIN 19440) and submitted on behalf of Henderson County by Golder Associates NC, Inc. for the Henderson County Transfer Station. The *Soil and Surface Water Sampling Report* was submitted in response to the Notice of Violation issued on June 10, 2013 and the *Soil and Surface Water Assessment Plan* dated June 10, 2013 (DIN 19163) and approved on June 20, 2013 (DIN 19164). Within the Notice of Violation, Henderson County was required to submit a plan for review and approval to the Solid Waste Section that details a proposed soil and surface water assessment for the regions potentially impacted by the clogged trench drains associated with the lower transfer bays and associated storm drains located outside the two lower loading bays.

Subsurface soil sampling and surface water sampling were conducted on June 25, 2013 to evaluate the extent of the potential environmental impacts from the releases at the facility. A background subsurface soil sample and three subsurface soil samples from the potentially impacted areas were collected. In addition, one upstream surface water sample and one downstream surface water sample were collected. The samples were analyzed by a NC certified laboratory.

The analytical soil and surface water results indicated that no volatile organic compounds exceeded the Preliminary Soil Remediation Goals. However, the metals cobalt and vanadium were detected above their Preliminary Soil Remediation Goals for the Protection of Groundwater *and* the Residential Health Based in all four soil samples collected including the background soil sample. In addition, silver was detected above the 15A NCAC 2B Standard in both the upstream and downstream surface water samples. However, silver has been routinely detected at the compliance surface water sampling locations associated with the adjacent closed Henderson County Landfills.

As a result, based upon the soil and surface water assessment conducted, no additional environmental assessment associated with these leachate releases is required at this time.

If you have any questions or concerns regarding this letter, please contact me at 919-707-8294 or by email at jaclynnedrummond@ncdenr.gov. Thank you for your cooperation with this matter.

Sincerely,



Jaclynne Drummond
Compliance Hydrogeologist
Solid Waste Section

cc sent via email: Natalie Berry, Henderson County Assistant Engineer
 Greg Wiggins, Henderson County Solid Waste Manager
 Jason Watkins, Western District Supervisor
 Andrea Keller, Environmental Senior Specialist
 Larry Frost, Permitting Engineer
 Dusty Reedy, Golder Associates NC, Inc.